42

OIPE

RAW SEQUENCE LISTING DATE: 04/30/2001 PATENT APPLICATION: US/09/833,245 TIME: 09:10:20

Input Set : N:\jumbos\PF546PCTSL.txt
Output Set: N:\CRF3\04302001\1833245.raw

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ENTERED

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4 <110> APPLICANT: Human Genome Sciences, Inc.

6 <120> TITLE OF INVENTION: Albumin Fusion Proteins

8 <130> FILE REFERENCE: PF546PCT

C--> 10 <140> CURRENT APPLICATION NUMBER: US/09/833,245

11 <141> CURRENT FILING DATE: 2001-04-12

13 <150> PRIOR APPLICATION NUMBER: 60/229, 358

14 <151> PRIOR FILING DATE: 2000-04-12

16 <150> PRIOR APPLICATION NUMBER: 60/256, 931

17 <151> PRIOR FILING DATE: 2000-12-21

19 <150> PRIOR APPLICATION NUMBER: 60/199, 384

20 <151> PRIOR FILING DATE: 2000-04-25

22 <160> NUMBER OF SEQ ID NOS: 2267

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28 <212> TYPE: DNA

29 <213> ORGANISM: Artificial Sequence

31 <220> FEATURE:

32 <221> NAME/KEY: primer\_bind

33 <223> OTHER INFORMATION: primer useful to clone human growth hormone cDNA

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39 <210> SEQ ID NO: 2

40 <211> LENGTH: 33

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42 <213> ORGANISM: Artificial Sequence

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55 <213> ORGANISM: Artificial Sequence

57 <220> FEATURE:

58 <221> NAME/KEY: misc\_structure

59 <223> OTHER INFORMATION: synthetic oligonucleotide used to join DNA fragments

60 with non-cohesive ends.

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67 <211> LENGTH: 17

68 <212> TYPE: DNA

69 <213> ORGANISM: Artificial Sequence

71 <220> FEATURE:

72 <221> NAME/KEY: misc\_structure

Input Set : N:\jumbos\FF546PCTSL.txt
Output Set: N:\CRF3\04302001\I833245.raw

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Input Set : N:\jumbos\PF546PCTSL.txt
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Input Set : N:\jumbos\PF546PCTSL.txt
Output Set: N:\CRF3\04302001\I833245.raw

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Input Set : N:\jumbos\PF546PCTSL.txt
Output Set: N:\CRF3\04302001\I833245.raw

278	caq	tgt	cca	ttt	gaa	gat	cat	gta	aaa	tta	gtg	aat	gaa	gta	act	gaa	144
279	Gln	Cys	Pro	Phe	Glu	Asp	His	Val	Lys	Leu	Val	Asn	Glu	Val	Thr	Glu	
280		_	35			•		40					45				
282	ttt	gca	aaa	aca	tgt	gtt	gct	gat	gag	tca	gct	gaa	aat	tgt	gac	aaa	192
283	Phe	Åla	Lys	Thr	Cys	Val	Ala	Asp	Glu	Ser	Ala	Glu	Asn	Cys	Asp	Lys	
284		50					55					60					
286	tca	ctt	cat	acc	ctt	ttt	gga	gac	aaa	tta	tgc	aca	gtt	gca	act	ctt	240
287	Ser	Leu	His	Thr	Leu	Phe	Gly	Asp	Lys	Leu	Cys	Thr	Val	Ala	Thr	Leu	
288	65					70					75					80	
290	cgt	gaa	acc	tat	ggt	gaa	atg	gct	gac	tgc	tgt	gca	aaa	caa	gaa	cct	288
291	Arg	Glu	Thr	Tyr	Gly	Glu	Met	Ala	Asp	Cys	Cys	Ala	Lys	Gln	Glu	Pro	
292	_				85					90					95		
294	gag	aga	aat.	gaa	tgc	ttc	ttg	caa	cac	aaa	gat	gac	aac	cca	aac	ctc	336
295	Glu	Arg	Asn	Glu	Cys	Phe	Leu	Gln	His	Lys	Asp	Asp	Asn	Pro	Asn	Leu	
296		_		100					105					110			
298	ccc	cga	ttg	gtg	aga	cca	gag	gtt	gat	gtg	atg	tgc	act	gct	ttt	cat	384
299	Pro	Arg	Leu	Val	Arg	Pro	Glu	Val	Asp	Val	Met	Cys	Thr	Ala	Phe	His	
300		-	115					120					1 <b>25</b>				
302	gac	aat	gaa	gag	aca	ttt	ttg	aaa	aaa	tac	tta	tat	gaa	att	gcc	aga	432
303	Asp	Asn	Glu	Glu	Thr	Phe	Leu	Lys	Lys	Tyr	Leu	Tyr	Glu	Ile	Ala	Arg	
304	_	130					135					140					
306	aga	cat	cct	tac	ttt	tat	gcc	ccg	gaa	ctc	ctt	ttc	ttt	gct	aaa	agg	480
307	Arg	His	Pro	Tyr	Phe	Tyr	Ala	Pro	Glu	Leu	Leu	Phe	Phe	Ala	Lys	Arg	
308	145					150					155					160	
310	tat	aaa	gct	gct	ttt	aca	gaa	tgt	tgc	caa	gct	gct	gat	aaa	gct	gcc	528
311	Tyr	Lys	Ala	Ala	Phe	Thr	Glu	Cys	Cys	Gln	Ala	Ala	Asp	Lys	Ala	Ala	
312					165					170					175		
314	tgc	ctg	ttg	cca	aag	ctc	gat	gaa	ctt	cgg	gat	gaa	ggg	aag	gct	tcg	576
315	Cys	Leu	Leu	Pro	Lys	Leu	Asp	Glu	Leu	Arg	Asp	Glu	Gly	Lys	Ala	Ser	
316				180					185					190			
318	tct	gcc	aaa	cag	aga	ctc	aaa	tgt	gcc	agt	ctc	caa	aaa	ttt	gga	gaa	624
319	Ser	Ala	Lys	Gln	Arg	Leu	Lys	Cys	Ala	ser	Leu	Gln		Phe	Gly	Glu	
320			195					200					205				
322	aga	gct	ttc	aaa	gca	tgg	gca	gtg	gct	cgc	ctg	agc	cag	aga	ttt	ccc	672
323	Arg	Ala	Phe	Lys	Ala	$\mathtt{Trp}$	Ala	Val	Ala	Arg	Leu		Gln	Arg	Phe	Pro	
324		210					215					220					
326	aaa	gct	gag	ttt	gca	gaa	gtt	tcc	aag	tta	gtg	aca	gat	ctt	acc	aaa	720
327	Lys	Ala	Glu	Phe	Ala	Glu	Val	Ser	Lys	Leu		Thr	Asp	Leu	Thr		
	225					230					235					240	
330	gtc	cac	acg	gaa	tgc	tgc	cat	gga	gat	ctg	ctt	gaa	tgt	gct	gat	gac	768
331	Val	His	Thr	Glu		Cys	His	Gly	Asp		Leu	Glu	Cys	Ala		Asp	
332					245					250					255		
334	agg	gcg	gac	ctt	gcc	aag	tat	atc	tgt	gaa	aat	cag	gat	tcg	atc	tcc	816
335	Arg	Ala	Asp		Ala	Lys	Tyr	Ile	Cys	Glu	Asn	Gln	Asp	Ser	Ile	Ser	
336				260					265					270			061
338	agt	aaa	ctg	aag	gaa	tgc	tgt	gaa	aaa	cct	ctg	ttg	gaa	aaa	tcc	cac	864
339	ser	Lys		Lys	Glu	Cys	Cys		Lys	Pro	Leu	Leu		ьуs	Ser	His	
340			275					280					285			A	010
342	tgc	att	gcc	gaa	gtg	gaa	aat	gat	gag	atg	cct	gct	gac	ttg	CCT	tca	912

## Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields f each sequence which presents at least nen r Xaa.

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/833,245 T

DATE: 04/30/2001 TIME: 09:10:21

Input Set : N:\jumbos\PF546PCTSL.txt
Dutput Set: N:\CRF3\04302001\I833245.raw

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VERIFICATION SUMMARY

PATENT APPLICATION: US/09/833,245

DATE: 04/30/2001 TIME: 09:10:21

Input Set : N:\jumbos\PF546PCTSL.txt
Output Set: N:\CRF3\04302001\I833245.raw

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